

Title (en)

MECHANICAL CONNECTING JOINT AND CORRESPONDING VANE ATTACHMENT ASSEMBLY

Title (de)

MECHANISCHE VERBINDUNG UND ZUGEHÖRIGE LEITSCHAUFELBEFESTIGUNGSANORDNUNG

Title (fr)

FIXATION MÉCANIQUE ET AGENCEMENT ASSOCIÉ DE FIXATION D'AUBE DE REDRESSEUR

Publication

EP 3045685 B1 20230419 (EN)

Application

EP 15190242 A 20151016

Priority

US 201414569823 A 20141215

Abstract (en)

[origin: US2016169033A1] An apparatus and system for mechanically connecting components are provided. The apparatus includes a mechanical connecting joint that includes a first joint member formed of a material having a first coefficient of thermal expansion (CTE) value, the first joint member comprising a first sidewall, a second opposite sidewall, and a body extending therebetween. The mechanical connecting joint further includes a second joint member formed of a material having a second CTE value, the second CTE being less than the first CTE. The second joint member includes a first leg facing the first sidewall, a second leg facing the second sidewall, and a connecting member extending between the first leg and the second leg. A first gap is formed between the first joint member and the first leg and a second gap is formed between the first joint member and the second leg.

IPC 8 full level

F01D 25/24 (2006.01)

CPC (source: EP US)

F01D 9/02 (2013.01 - US); **F01D 25/005** (2013.01 - US); **F01D 25/246** (2013.01 - EP US); **F05D 2230/642** (2013.01 - EP US); **F05D 2300/50212** (2013.01 - US); **F05D 2300/6033** (2013.01 - EP US); **Y02T 50/60** (2013.01 - EP US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

US 2016169033 A1 20160616; BR 102015026072 A2 20160802; CA 2907233 A1 20160615; CA 2907233 C 20230214; CN 105697149 A 20160622; CN 105697149 B 20190730; EP 3045685 A1 20160720; EP 3045685 B1 20230419; JP 2016114050 A 20160623; JP 6725976 B2 20200722

DOCDB simple family (application)

US 201414569823 A 20141215; BR 102015026072 A 20151014; CA 2907233 A 20151001; CN 201510663851 A 20151015; EP 15190242 A 20151016; JP 2015198984 A 20151007